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ROCKY FLATS ENVIRONMENTAL
TECHNOLOGY SITE

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RFP/ERM 94 00028
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HEALTH AND SAFETY PLAN
OU1 HOT SPOT REMOVAL

Effective Date 09/26/94
Organization Environmental Restoration Mgmt

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HEALTH AND SAFETY PLAN
OPERABLE UNIT 1 HOT SPOT REMOVAL

Section No.	Title	Rev No.	Effective Date
94 DMR ERM-0110	Staffing Changes Addition of Two Hot Spots and Editorial Corrections	0	09/15/94
94 DMR ERM 0128	Requirements Downgrade in the Field	0	09/26/94
	Detailed Table of Contents	0	06/09/94
1 0	General Information	0	06/09/94
2 0	Health and Safety Hazard Assessment	0	06/09/94
3 0	Health and Safety Hazard Control	0	06/09/94
4 0	Personnel Health and Safety Training Requirements	0	06/09/94
5 0	Medical Surveillance Requirements	0	06/09/94
6 0	Site Control Measures	0	06/09/94
7 0	Decontamination Plan	0	06/09/94
8 0	Emergency Response	0	06/09/94
APPX	Appendices	0	06/09/94

DOCUMENT MODIFICATION REQUEST (DMR)

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Refer to 1-A01-PPG-001 for Processing Instructions
Print or Type All Information (Except Signatures)

1 Date

10/26/94

25

DMR. No 97 DMR ERM-0128

2 Existing Document Number/Revision

RFP/ERM-94-00028

3 New Document Number or Document Number if it is to be changed with Revision

4 Document Title

H+S PLAN FOR OUI HOT SPOT REMOVAL

4 Originator's Name/Phone/Page/Location

REBECCA HINSCH XB509 DP4509 Cntk30

6 Document Type () Procedure

X Other H+S PLAN

7 Document Modification Type (Check only one)

☐ New ☐ Revision ☐ Intent Change ☒ Nonintent Change ☐ Editorial Correction ☐ Cancellation

8 Item 9 Page 10 Step

11 Proposed Modifications

8 Item	9 Page	10 Step	11 Proposed Modifications
1	26/43		REMOVE THE REQUIREMENT FOR NEUTRON MONITORING FROM TABLE 3-1.2
2	27/43		REMOVE JEROME MERCURY DOSIMETRY REQUIREMENT FROM TABLE 3-1.4
3	28/43		DOWNGRADE PPE REQUIREMENT FROM SILVER SHIELD TO LATEX AND NITRILE GLOVES (TABLE 3-1.5)

12 Justification (Reason for Modification, EJO# TP# etc.)

ITEMS 1, 2 AND 3 WERE ALL DOWNGRADING OF REQUIREMENTS BY INDUSTRIAL HYGIENE AND RADIOLOGICAL ENGINEERING WHILE IN THE FIELD

If modification is for new procedure or revision, list concurring disciplines in Block 13, and enter N/A in Blocks 14 and 15. If modification for any type of change or cancellation, organizations are listed in Block 13, then Concuror prints, and signs in Block 14, and dates in Block 15.

13 Organization 14 Print and Sign (if applicable) 15 Date (if applicable)

13 Organization	14 Print and Sign (if applicable)	15 Date (if applicable)
ERHSD	KEITH ANDERSON /S/	9/26/94
HHS LIAISON	PEGGY SCHRECKENGAST /S/	9/26/94
PROJ. MGR.	WAYNE SPROLES /S/	9/26/94
RAD ENG.	RICK GENTRY /S/	9/26/94
RAD OPS	BILL BAILEY /S/	9/27/94
RAD ENG.	JERRY ANDERSON /S/	9/28/94

16 Originator's Supervisor (print/sign/date)

R. J. RAY ERM 10/6/94

17 Assigned SM/Phone/Page/Location

WR SPROLES/8598/1245/000

18 Cost Center

19 Charge Number

20 Requested Completion Date

21 Effective Date

9/26/94

22 Accelerated Review?

Yes ☐ No ☒

23 ORC Review

NOT REQUIRED

24 Responsible Manager (print, sign, date)

R. J. RAY FOR ALPRIMROSE R. J. RAY 10/6/94

REVIEWED FOR CLASSIFICATION/UCNI

BY NA
DATE NA

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Figure 1 6

EG&G HASP FIELD CHANGE FORM

Field Change Number RFP/ERM-94-00028-04

Effective Date 9 26 94

Requested by Rick C Gentry
(Print Name)

[Signature]
Signature/Date 9 26 94

Pen and Ink changes to be made to the HASP to alert the reader of this change

REMOVE THE REQUIREMENT FOR ROUTINE NEUTRON MONITORING

Reason for the change to be incorporated into the HASP

THERE IS NOT SUFFICIENT MATERIAL IN THE EXCLUSION ZONE TO WARRANT NEUTRON MONITORING

Text of change to be incorporated.

Remove 2nd row from table 3-1.2

APPROVALS

[Signature] 9/26/94

ERHSO/Date

M.D. Schneckenpost 9 26 94

H&S Liaison Officer/Date

[Signature] 9-26-94

Project Manager/Date

AS NEEDED CONCURRENCE

N/A 9/26/94

Occupational Safety

[Signature]

Radiological Engineering

N/A 9/26/94

Industrial Hygiene

N/A 9/26/94

Occupational Health

N/A 9/26/94

Fire Department

Wm W. Bunchy 9/27/94

Radiological Operations

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Figure 1 6

EG&G HASP FIELD CHANGE FORM

RFP/ERM-94-00028-05
Field Change Number 0007 10/5/94 Effective Date 9 27 94
Requested by D CHOJNACKI [Signature]
(Print Name) Signature/Date

Pen and Ink changes to be made to the HASP to alert the reader of this change
DOWN GRADE PPE REQUIREMENTS 10. SILVER SHIELD GLOVES

Reason for the change to be incorporated into the HASP
PCB levels in soil were found to be in the ppm range. Work
activities require minimum contact with soils. Therefore, silver
shield gloves are not necessary.

Text of change to be incorporated.
SECTION 3-15 PERSONNEL PROTECTIVE EQUIPMENT
REMOVE SILVER SHIELD GLOVE REQUIREMENT NOTE
1 PAIR OF LATEX AND 1 PAIR OF NITRILE WILL BE REQUIRED

APPROVALS
[Signature] for KD Anderson
ERHSO/Dye 9 27 94
M.L. Schreckengast
H&S Liaison Officer/Date
[Signature] 9-27-94
Project Manager/Date

AS NEEDED CONCURRENCE
N/A
Occupational Safety 9/23/94
Radiological Engineering M.L. Schreckengast 9-27-94
Industrial Hygiene N/A
Occupational Health N/A
Fire Department N/A
Radiological Operations

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Figure 1 6

EG&G HASP FIELD CHANGE FORM

Field Change Number RFP/ERM-94-00028-6 Effective Date 9-29-94
Requested by M D Schreckengast M D Schreckengast
(Print Name) Signature/Date

Pen and Ink changes to be made to the HASP to alert the reader of this change

The HASP requires Jerome mercury dosimeters to be worn during the excavation of SS100143 (or other NIOSH/OSHA approved dosimetry method) Change delete dosimetry requirement. Use Jerome to estimate employee exposure

Reason for the change to be incorporated into the HASP

It is not necessary to do breathing zone integrated sampling for Hg. The highest level found in the soil was 24 ppm. The Jerome direct-reading instrument reads down to 0.001 m³/m³ (PEL is 0.05 m³/m³) levels at/above pel are not expected. Therefore dosimetry

Text of change to be incorporated is not required by 29 CFR 1910.120

delete 1st row on table 3.14 which requires integrated sampling for mercury.

APPROVALS

M D Schreckengast for K.D. Anderson 9-29-94

ERHSO/Date

M.D. Schreckengast 9-29-94

H&S Liaison Officer/Date

Mike Spoh 9-29-94

Project Manager/Date

AS NEEDED CONCURRENCE

N/A

Occupational Safety

N/A

Radiological Engineering

M.D. Schreckengast 9-29-94

Industrial Hygiene

N/A

Occupational Health

N/A

Fire Department

N/A

Radiological Operations

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Table 3 1 2
RADIOLOGICAL MONITORING

For Tasks #1 and #2.

RADIOLOGICAL MONITORING REQUIRED	FREQUENCY AS PER RWP	TYPE	EQUIPMENT
ROUTINE CONTAMINATION SURVEY	In Process	Alpha, Beta, Gamma	As required by ROI s
CONTINUOUS MONITORING	As directed by RE	As directed by RE	As required by ROI s

Table 3-1 3
ENGINEERING OR ADMINISTRATIVE CONTROLS

For Tasks #1 and #2.

ENGINEERING OR ADMINISTRATIVE CONTROLS EMPLOYED	DESCRIBE
(X) Dust Suppression	Manual misting utilizing clean water sprayed on excavation site to minimize the possibility of dirt being blown out of the IHSS

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Table 3-1 4
NON RADIOLOGICAL CHEMICAL MONITORING

For Tasks #1 and #2.

NON RADIOLOGICAL CHEMICAL MONITORING REQUIREMENTS	ACTION LEVELS			
	Contaminant	Type of Real Time Instrument or Analytical Method	Frequency/ Locations	Action evacuate
	Mercury	Jerome real time	During sampling of SS100193	0 25 mg/m ³

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Table 3-1 5
PERSONNEL PROTECTIVE EQUIPMENT

For Tasks #1 and #2.

PERSONNEL PROTECTIVE EQUIPMENT					
Job Duty	Safety Shoes & Safety glasses	Body Covering Type	Glove Type	Respirator Type (Specify cartridge if applicable)	Other (i e hard hat, earplugs)
Sampler	(X) yes () no and disposable shoe covers	Tyvek	latex and nitrile (1 pair each)	mersorb-H full face	Hard hat and hearing protection if heavy equipment in operation
Waste Tech	(X) yes () no and disposable shoe covers	Tyvek	latex and nitrile (1 pair each)	mersorb-H full face	Hard hat and hearing protection if heavy equipment in operation

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